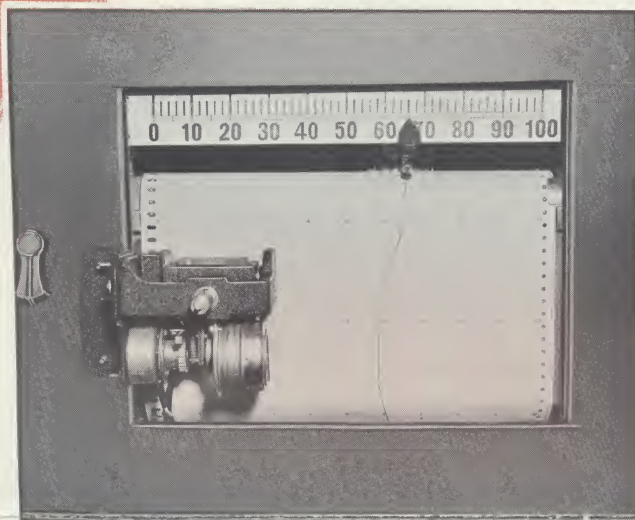


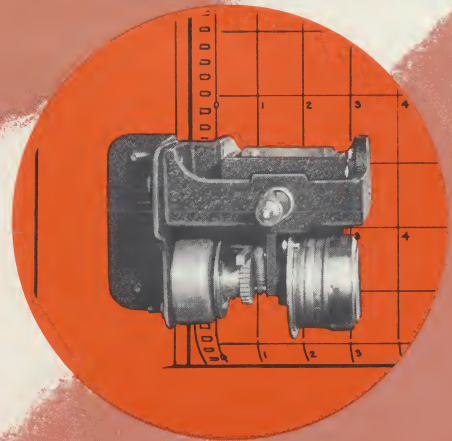
Recording
time and date
on strip charts with

ROYSON

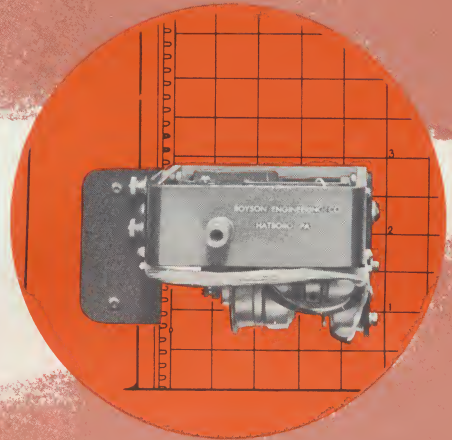
IDENTICHARTS



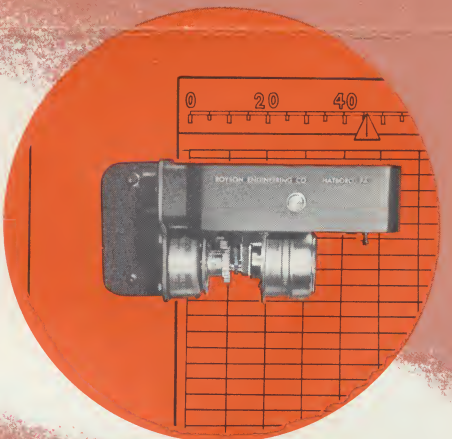
RI-2 IDENTICHART.
A completely self-contained
time and date stamp.



RI-21 IDENTICHART.
Combines the time and
date stamp with a
2 position code number.



RI-5A IDENTICHART.
Combines the time and
date stamp with up to 12 or
24 position code numbers.



RI-51 IDENTICHART.
Combines the time and date
stamp with a six figure serial
number or batch number.

R ROYSON
ENGINEERING
COMPANY
HATBORO, PENNSYLVANIA

ROYSON

IDENTICHARTS

give you more
information with
your strip chart
recorder



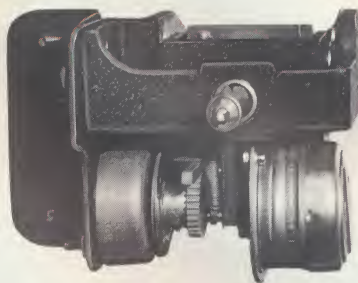
Time and date stamp IDENTICHARTS are accurate, reliable, printing devices that record, directly on your chart the exact time, date, or sequence of remote events. They will eliminate the need for you to watch charts and make identification marks by hand. They will make your job of interpreting charts easier and more reliable and they will not interfere with or obscure your recording procedure.

Industries doing process, control and test work find ROYSON IDENTICHARTS an exceptional aid to strip chart recording and interpretation.

Following are various model IDENTICHARTS designed specifically for printing time and date plus additional identifying information.

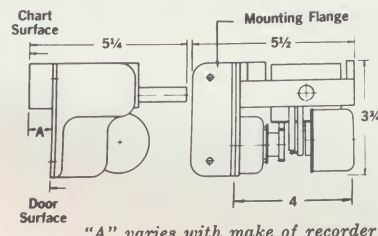
RI-2 IDENTICHART

Time and Date Stamp

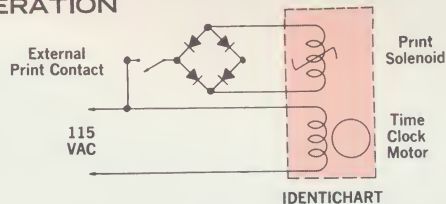


APR 10 3 43 PM '65

This model is a completely self-contained time and date stamp. On command, it will print the time and date to the nearest minute. Although it is widely used as an accessory on strip chart recorders, it can be applied wherever a printed time record of some event is required.



OPERATION



A synchronous clock motor, running off the 60 cycle line, advances the time keeping print wheels once per minute. Minute, hours, AM - PM, and date are all advanced automatically. Once per month the date wheels must be reset manually because of the variation in days per month.

The printing solenoid operates on DC. It is available for 110, 28, 24, or 12 volts. A rectifier can be supplied to permit operation from the AC line.

In addition to the conventional AM-PM, the 2400 type of time keeping can be provided.

MAR 10 18 59 '65

As an optional feature, time keeping to the nearest 1/10 minute can be provided. With this feature, the year is omitted, producing this imprint:

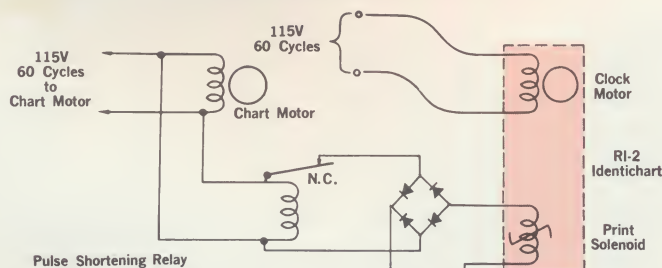
OCT 10 8 55 3 AM
↑
Tenth of Minute

CIRCUITS FOR TRIGGERING THE PRINTER IN TYPICAL APPLICATIONS

When the IDENTICHART is triggered by another circuit, with a long "on" time, a pulse shortening relay can be used. For chart speeds of 3 inches per minute or slower a type F pulse shortening relay can be used. This produces an "on" pulse of approximately $\frac{1}{4}$ second. For faster chart speeds, the type A pulse shortening relay is recommended. This has an adjustment for pulse length and can be set to produce the shortest pulse that will print. Chart speeds up to 30 inches per minute have been accommodated with this relay.

EXAMPLE 1:

It may be desired to run the chart on a recorder only when a test is active, or when some event occurs and a record may be required of each time the chart is started.

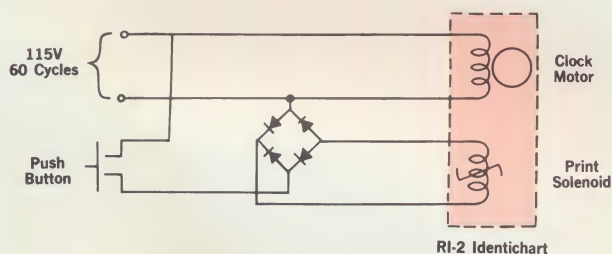


In the above circuit, power is applied to the chart drive motor when the chart is to be started. This same power is applied to a type F pulse shortening relay. This applies the power to the rectifier for approximately $\frac{1}{4}$ second and thus puts a DC pulse on the printing solenoid regardless of the length of time that the chart runs. When the chart is next turned off, the pulse shortening relay resets for the next run.

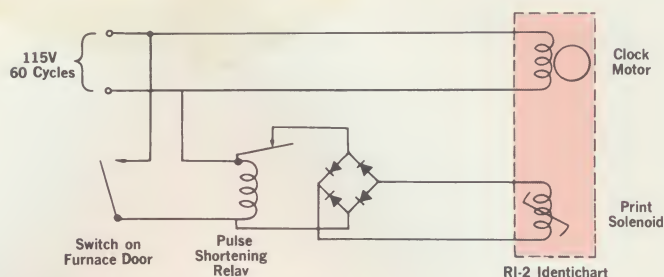
EXAMPLE 2:

It may be required to have a printed record of the time that a furnace is unloaded. The RI-2 Identichart will print this record. The printing can be manually triggered with a push button or it can be automatically triggered by a switch on the furnace door.

1. MANUAL — Operator presses a button when he unloads.

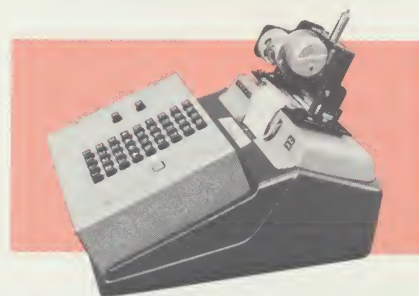


2. AUTOMATIC — Limit switch on furnace door prints whenever door is opened.



OTHER FIELDS OF USE

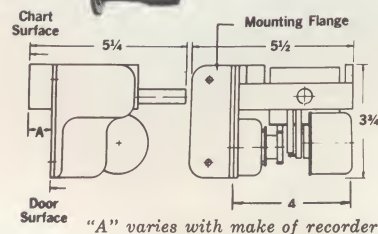
Although the Identichart has been used most extensively on recorders, it is adaptable to other types of service, too. It is basically a self-contained time stamp and can be used wherever a time record is useful.



The RI-2 Identichart is being used on typewriters, adding machines, teletypewriters and production machinery. For these applications, it is only necessary to improvise the mounting brackets on the Identichart.

RI-21 IDENTICHART

*Combines Time and Date with
2 Position Code Number*



Model RI-21 is similar in physical and electrical characteristics to the RI-2 Identichart except that the RI-21 includes a 2 position code number. The year